


Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. P23968	Serial No. 10/687,598
 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Kiyoshi KAWANO et al.	
		Filing Date October 20, 2003	Group 2613

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TJH	4 0 6 7 0 2 7	01/02/78	YAMAZAKI			
	4 2 6 2 9 8 8	04/21/81	ISHIBAL et al.			
	4 4 0 0 0 6 5	08/23/83	NAGLER			
	5 5 8 3 6 9 2	12/10/96	FUNATSU			
	5 7 2 9 3 9 0	03/17/98	ABE			
	5 9 2 6 6 5 7	07/20/99	HASUSHITA			
	6 0 8 8 0 5 3	07/11/00	HAMMACK et al.			
2003	0 0 7 2 5 6 7	04/17/03	ABE			
2003	0 0 7 2 0 9 1	04/17/03	ABE			
2003	0 0 6 3 3 8 2	04/03/03	HIRUNUMA ET AL.			
2003	0 0 6 3 3 8 1	04/03/03	ABE			
2003	0 0 8 6 1 6 4	05/08/03	ABE			
2003	0 0 6 3 2 0 9	04/03/03	ENOMOTO et al.			
2003	0 0 6 3 1 8 9	04/03/03	HIRUNUMA et al.			
2003	0 0 6 3 3 8 0	04/03/03	HIRUNUMA et al.			
2003	0 1 5 1 8 0 7	08/14/03	HIRUNUMA et al.			
2003	0 1 5 1 8 0 8	08/14/03	HIRUNUMA et al.			
✓ 2003	0 1 5 1 6 6 0	08/14/03	HIRUNUMA et al.			
TJH 2001	0 0 2 8 4 9 8	10/11/01	HAGA et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

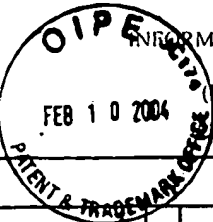
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER /Timothy J. Henn/

DATE CONSIDERED 01/07/2007

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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FOREIGN PATENT DOCUMENTS							
					CLASS	SUBCLASS	TRANSLATION YES NO
TJH	3 6	- 1 2	3 8 7	08/02/61	JAPAN		X
↓	5 7	- 7 9	9 0 7	05/19/82	JAPAN		X
↓	6 2	- 9 6	9 1 9	05/06/87	JAPAN		X
↓		5 - 2	1 3 2	01/08/93	JAPAN		X
↓		6 - 2	3 3 0	01/14/94	JAPAN		X
↓		7 - 8	8 4 8	02/07/95	JAPAN		X
TJH	7 -	2 8 3	9 7 8	10/27/95	JAPAN		X
 	 	 	 	 	 		
TJH	2	6 2 4	5 5 6	04/11/97	JAPAN		X
TJH	2	9 2 2	6 5 8	04/30/99	JAPAN		X
2001	 	 	 	 	 		
TJH 2001		3 1 1	8 6 8	11/09/01	JAPAN		X
TJH WO	0 1	/ 5 2	5 3 1	07/19/01	W.I.P.O.		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
TJH	1	English Language Abstract of No. 11-248996.					
TJH	2	English Language Abstract of No. 2001-311868.					
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Sheet 1 of 1

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.
P23968

Application No.
10/687,598

Applicant
Kiyoshi KAWANO et al.

Filing Date
October 20, 2003

**Group
2157**

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